

# VIC-20

## USING THE VIC HOME CALCULATOR

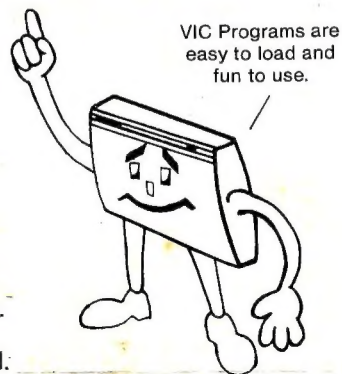
The friendly computer

## VIC LOAN & MORTGAGE CALCULATOR

Nowadays loans can be very complicated, with balloon payments, variable interest rates, etc. The VIC LOAN/MORTGAGE CALCULATOR is a decision making aid which helps you calculate the terms of the loan and compare alternatives.

### LOADING AND STARTING THE PROGRAM

1. Set up your VIC20 computer, TV set, and Commodore cassette recorder.
2. Place the tape in the recorder, label side up. Most tapes are recorded on both sides, several times on each side.
3. Press the REWIND key on the recorder.
4. When the tape stops moving, press the recorder's STOP key.
5. Type the word LOAD on the VIC's keyboard and hit RETURN.
6. The message PRESS PLAY ON TAPE appears on the screen. Press the PLAY key.
7. The words OK and SEARCHING should appear and the tape runs.
8. After a few seconds, the VIC will display FOUND (name) and the word LOADING.
9. After a minute or so, the VIC says READY.
10. To "run" the program, simply type the word RUN on the keyboard and hit RETURN. The program will start.



### IF YOU HAVE TROUBLE LOADING

1. Type the word LOAD and hit RETURN again. (There is a second copy of the program on the same side of the tape.)
2. Try moving the Datassette so the cord is **fully extended** (to minimize the possibility of interference from your TV or monitor. Placing the Datassette on or near some sets **may** cause interference).

 **commodore**  
COMPUTER

## INSTRUCTIONS

The VIC will calculate many of the factors which make up your loan or mortgage.

When you type RUN, the screen will clear, and display a title page and copyright notice. Hit **any key** to start the program.

When the VIC asks you to input a number, it will draw a line, and place a checkerboard cursor where the entry should go. You may type numbers up to 6 digits. The DELete key allows you to correct or change your entry. Hit the RETURN key to enter the number.

The program will calculate the term of your loan, interest rate, the amount of money you can borrow, **OR** your monthly payment, but only one of them at a time. All of the factors below which have an asterick (\*) may be calculated. To make the VIC perform a calculation, enter a question mark (?) instead of a number. If you don't enter a question mark on any of the other inputs, the VIC will calculate your monthly payment for you.

- 1) The program will ask you what month that the loan starts. Enter a number from 1 (January) to 12 (December). Just hit the RETURN key to select the default of January.
- 2) Enter the year that the loan begins.
- 3)\* The program now asks for the term of the loan. Enter this number in years. If the loan is to run a year and 6 months for example, enter it as 1.5 years.
- 4) The program now asks you for the number of payments per year. Hit return to accept the default of 12; otherwise enter your number.
- 5)\* Now enter your interest rate as a percentage.
- 6)\* Enter amount of money you want to borrow.
- 7)\* The monthly payment (if you ask for 12 payments per year) will be calculated and displayed.

The VIC now asks if your figures are OK. If your loan is what you want to see, typing a 'y' will bring you to the amortization table section. Typing 'N' will allow you to change any of the figures and recalculate your loan. The VIC will display the cursor on each of the boxes in turn. Hit the RETURN key to accept the current number. Retype the number to change it.

Hitting the f2 function key (SHIFT f1) will PRINT out the screen to the VIC-1515 GRAPHIC PRINTER (if one is connected, of course).

The amortization section will produce an amortization table for the length of the loan's term, on a year by year basis. The program will wait after each year for you to hit a key and tell it to go on. The following special keys perform the functions shown:

- f1 Go through the amortization process without waiting. This mode is useful to PRINT out the table for the entire term of a loan to the printer without standing around waiting to hit a key.
- f2 PRINT THE SCREEN
- f3 Calculate the full term amortization process and give total interest without pausing to display each year.
- f5 Ask for a new interest rate (for variable interest rate loans. The loan table will be continued with the new interest rate.
- f7 Cancel the display of the TABLE and return to the CALCULATOR.

**Note:** to PRINT out the entire term of a loan without waiting to hit a key, just hit the f1 key after the first table is listed on the screen. Then hit the f2 key to print out the table.